The ABM Study

Briefing No. 1: The Network

I. Introduction

    A. Origin of the ABM Study

        1. BOB request in late 1967

        2. DCI's approval -- appointment of chair from NIPE

        3. Formation of Committee -- CIA, DIA, State, NSA, DDR&E,

                        OSD/SA, DCI/NIPE, AFSSA observer

    B. Purpose of Study

        1. BOB -- gain additional tool for evaluating new programs

           proposed for ABM collection.

        2. By-Product -- further development of methodology and

           programs for evaluating effectiveness.

    C. Concept of Study

        1. Information needs on Soviet ABM can be structured.

        2. Relative values can be established for these information needs.

        3. Collector capabilities can be expressed in probabilistic terms.

        4. Effectiveness can be determined by appropriate combination

           of values and probabilities.

    D. Phases of Study

        1. The Network

           a. Complete in its basic form

           b. Some extensions in process

2. The Collectors

    a. Data on the use and characteristics of collectors are almost complete.

    b. Processing of these data is under way.

3. Analytic

Extensions of previously developed methodology are in process.

E. This briefing deals with Phase I -- the Network

    1. Done by Working Group

        CIA, DIA, NSA, and NIPE

    2. Support by CIA and DIA analysts

    3. Contributions from consumers of ABM intelligence

    4. The briefing encompasses

        a. The structure of the Network and

        b. The valuation process, including

            1) the role of accuracy as it affects value, and

            2) the role of the data base as it affects value.
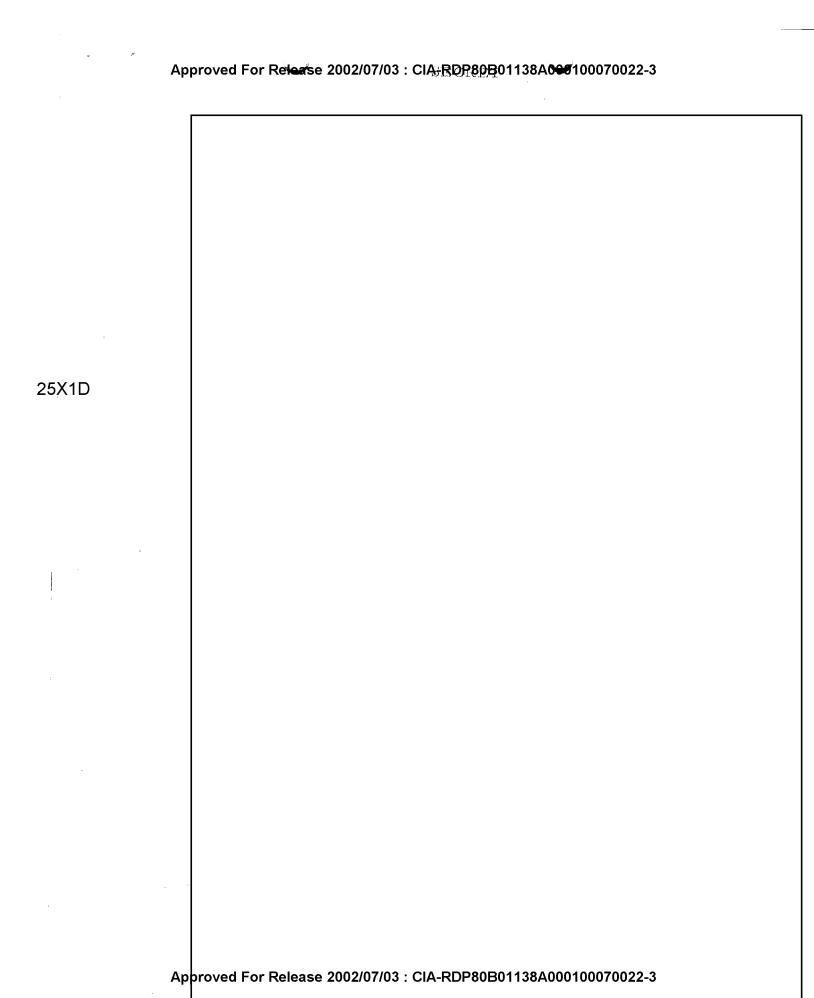
II. The Network

A. Purpose of the Network

    1. Organize all information needs unique to the ABM problem and assign relative values to the elements of information.

        a. It does not include all information that bears on the Soviet ABM --

        b. e.g., other strategic systems are relevant but information on them comes from outside this structure.

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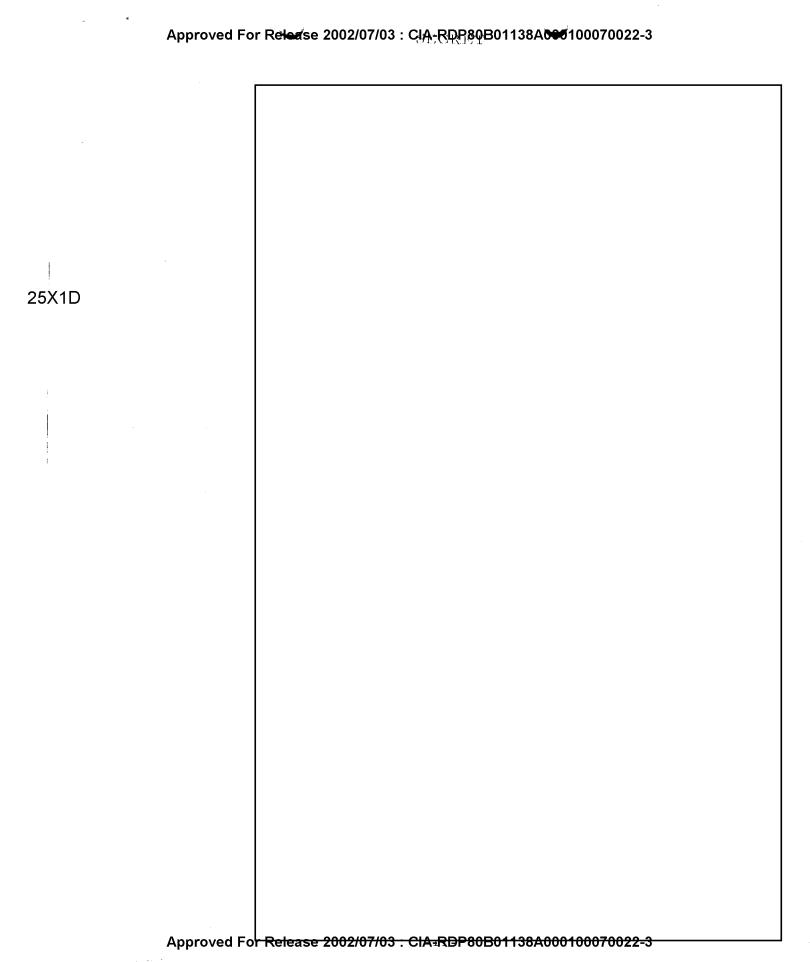
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III. Summary and Conclusions

    A.   The Network will provide

        1.   A structure which encompasses the unique information needs

           on the Soviet ABM System.

        2. Relative values of the elements of that information, taking

           into account both accuracy and the data base, and

        3.   Ranges on values, which facilitate sensitivity tests to determine

           to what degree the results of the study are affected by changes

           in values.

B.   The Network represents one-half of the input structure for the Study.

.   The other half of the input structure -- the characteristics

and use of collectors -- is well along.

C.   The analytic processes are under way, building upon

1.   The processes developed for the ICBM and ELINT studies,

with special attention to

2.   problems unique to this study, such as handling "or"

junctions in the optimization program.

D.   The prognosis is that within a short time -- several weeks --

preliminary results will be available.

We would be pleased to keep you posted.